

102280-20000000

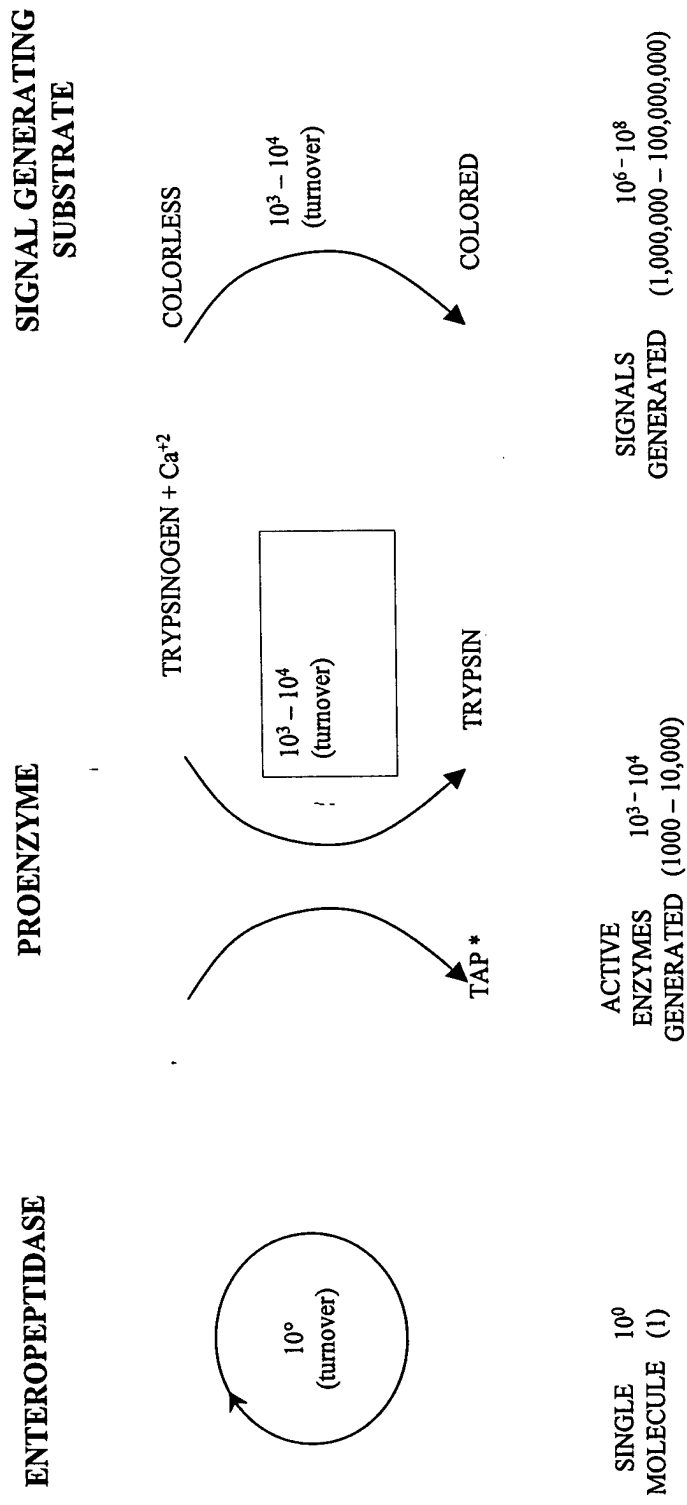
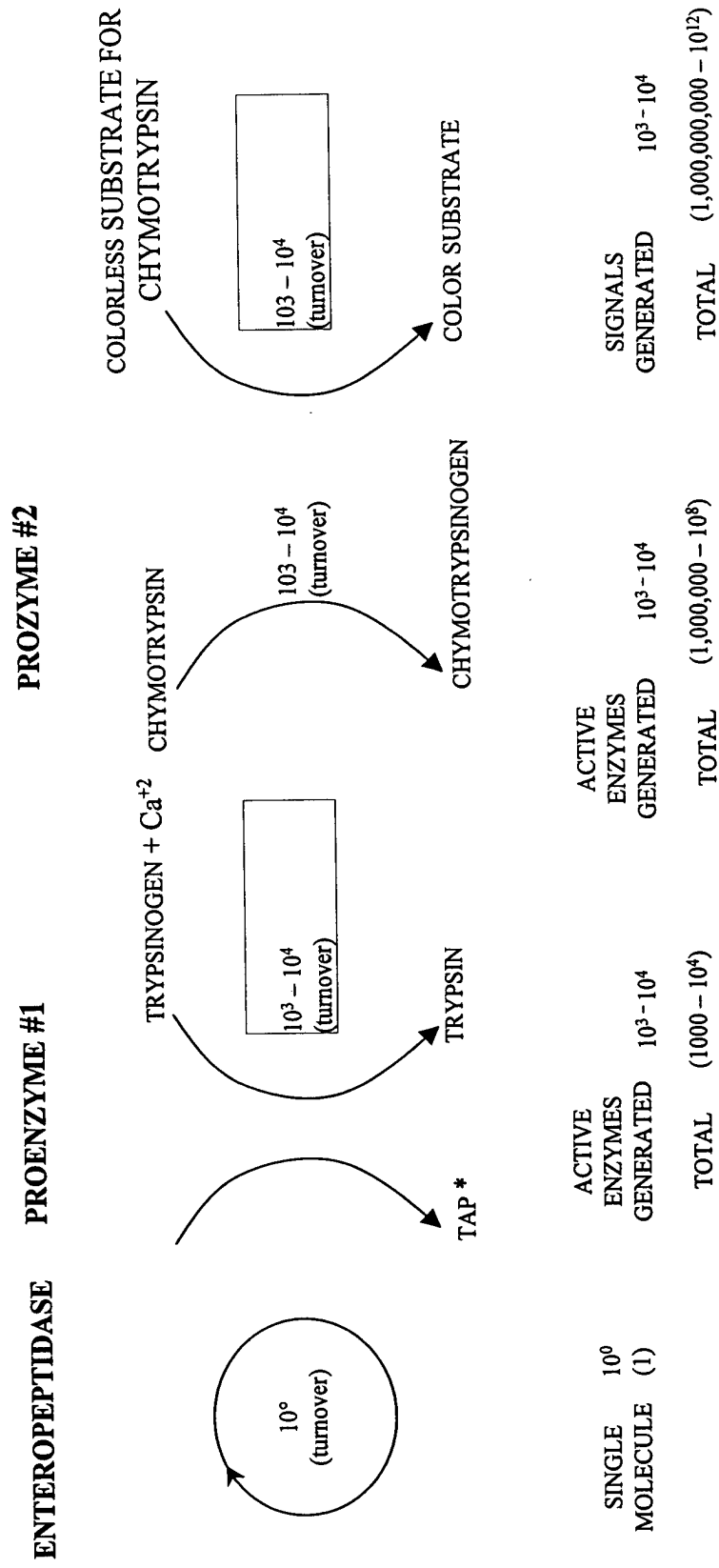


FIG. 1

SECRET



**FIG. 2**

FO2280/0EE660

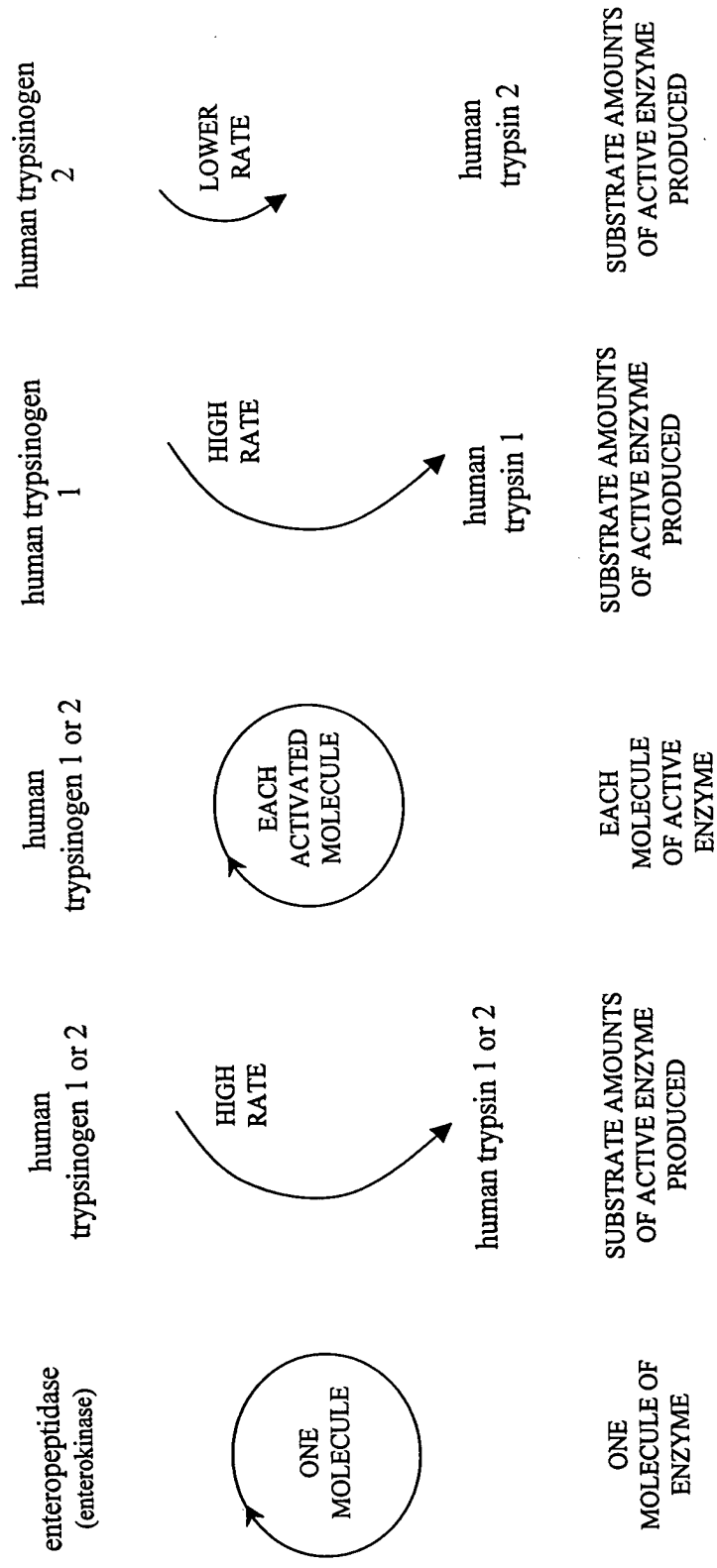
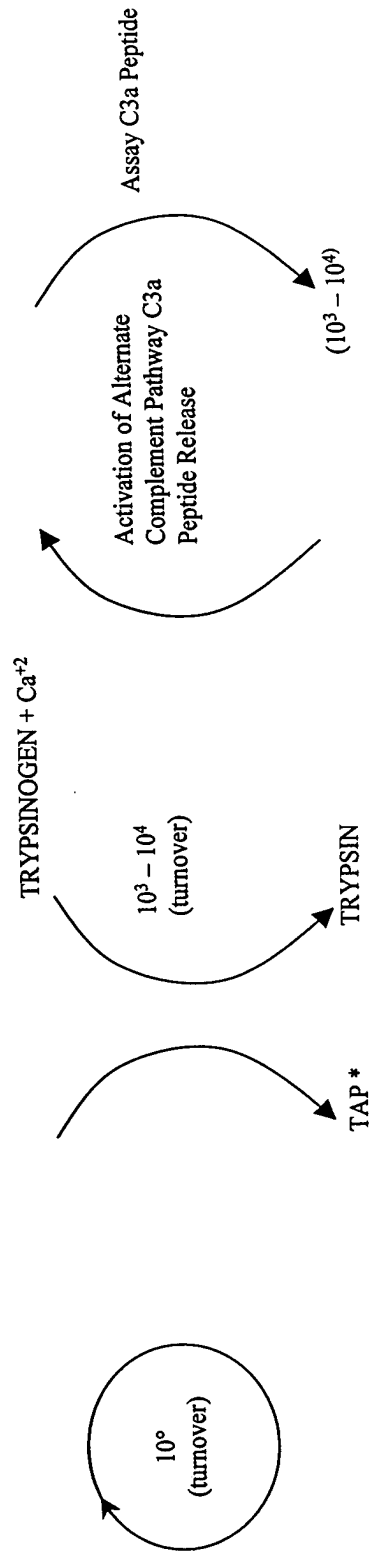


FIG. 3

102280-00000000

ENTEROPEPTIDASE

PROENZYME



SINGLE MOLECULE (1)

ACTIVE ENZYMES GENERATED

TOTAL

10<sup>3</sup> - 10<sup>4</sup>

(1000 - 10<sup>4</sup>)

FORMATION OF C3a PEPTIDE

10<sup>6</sup> - 10<sup>8</sup>

TOTAL (1,000,000 - 100,000,000)

FIG. 4

	SIGNAL ACTIVATION MOLECULE AND FUNCTION	Index of Target Analyte Presence
CMSA Complement Cascade	<ul style="list-style-type: none"> <li>•Antibody to antigen in the Classic Complement pathway</li> <li>•Polysaccharide, etc. in the Alternate Complement Pathway</li> <li>•Both activate Complement</li> </ul>	C3a Peptide Production/Quantification
ZMSA CC Clotting Cascade	•Kallikrein Plasma Proteinase activating Hageman Factor (Factor XII) enhanced with Kinogen activate clotting	Opacity Clot Retraction
ZMSA-PCC Procollagen Conversion	•Serum Protease activating neutral Protease (zymogen) catalyzing Procollagen-> Collagen Conversion	Opacity
ZMSA-PIC Proinsulin Conversion	•Serine Protease activating Endopeptidase PC2 or PC3 (zymogen) activating Insulin with release of C Peptide	C Peptide Production/Quantification
ZMSA PTC Prothrombin Conversion	•Serine Protease activating Prothrombin (zymogen) to Thrombin converts Fibrinogen to Fibrin	Opacity

FIG. 5

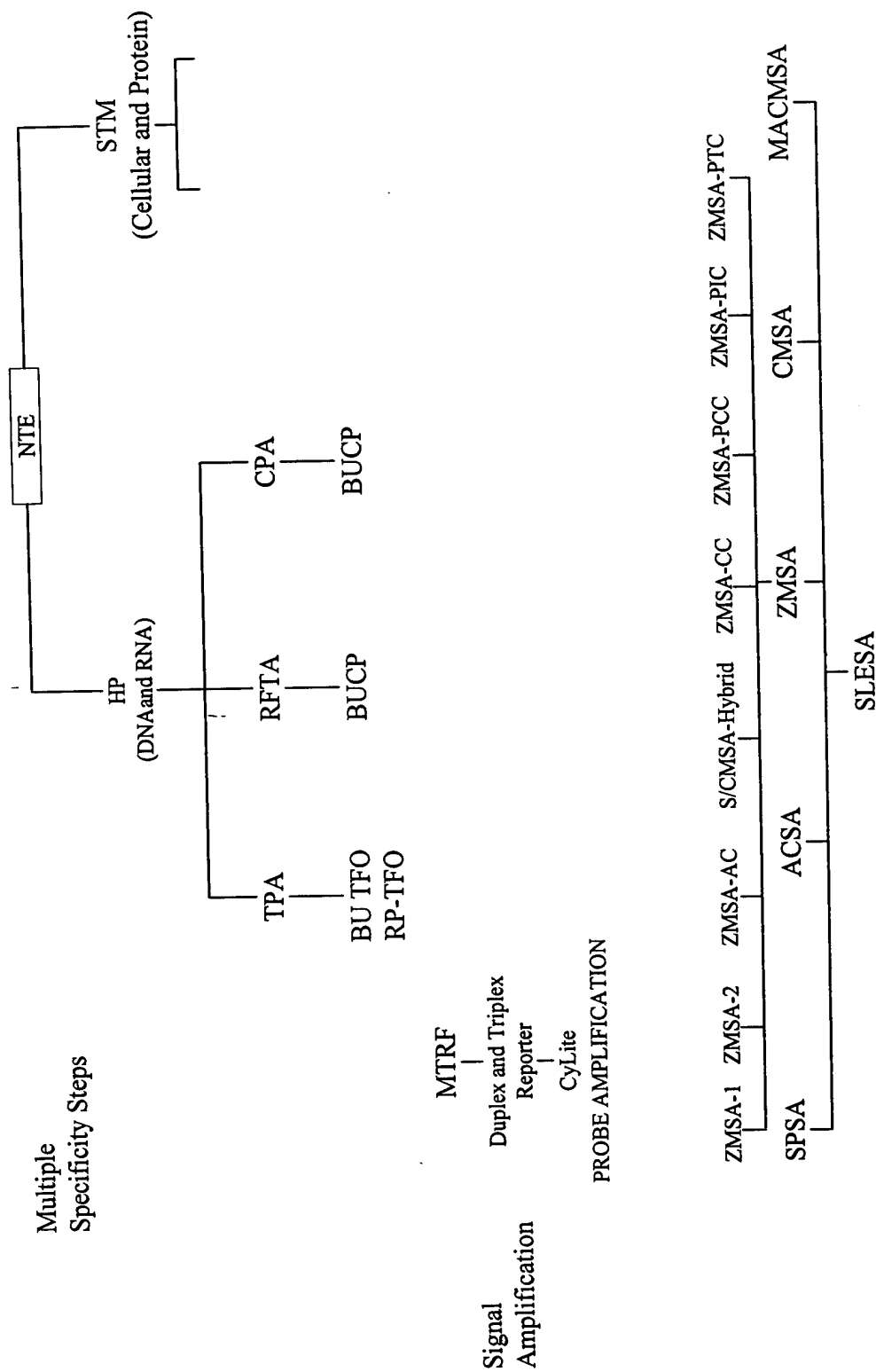


FIG. 6

102280-20EE6660

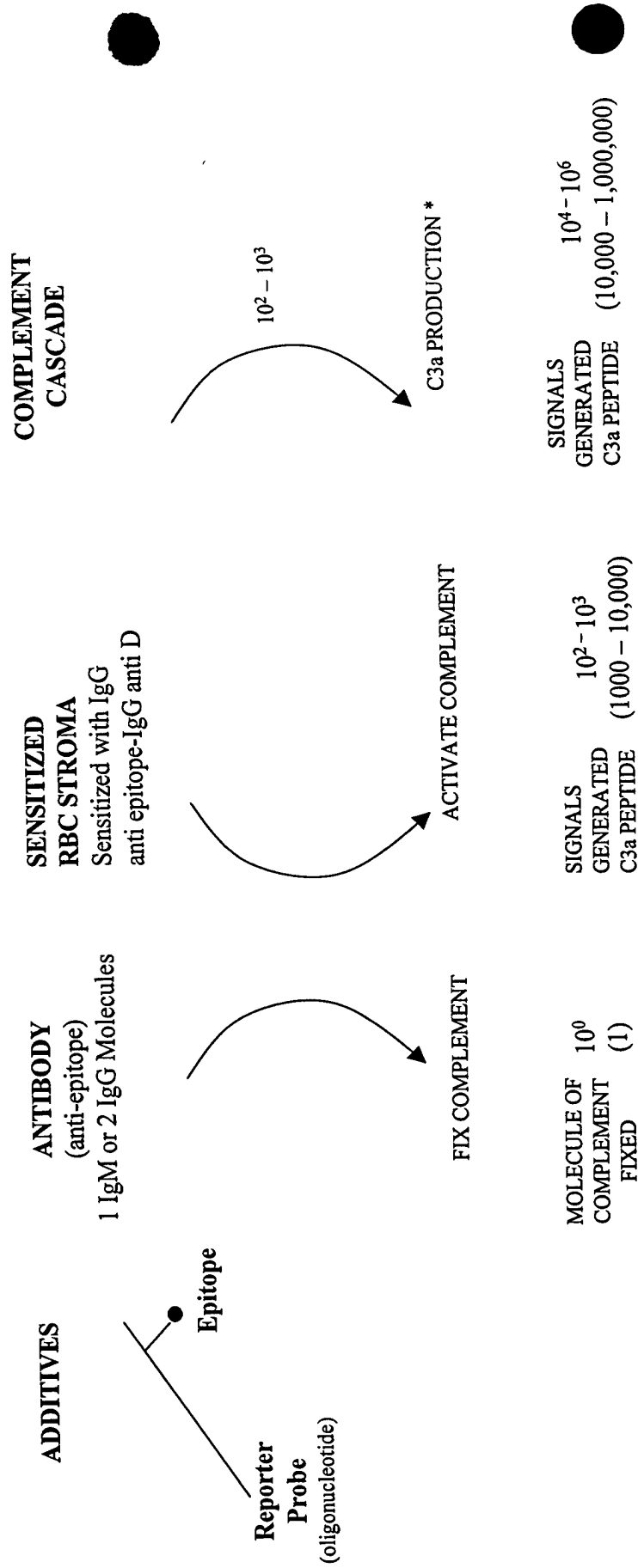


FIG. 7

102280 20EE0660

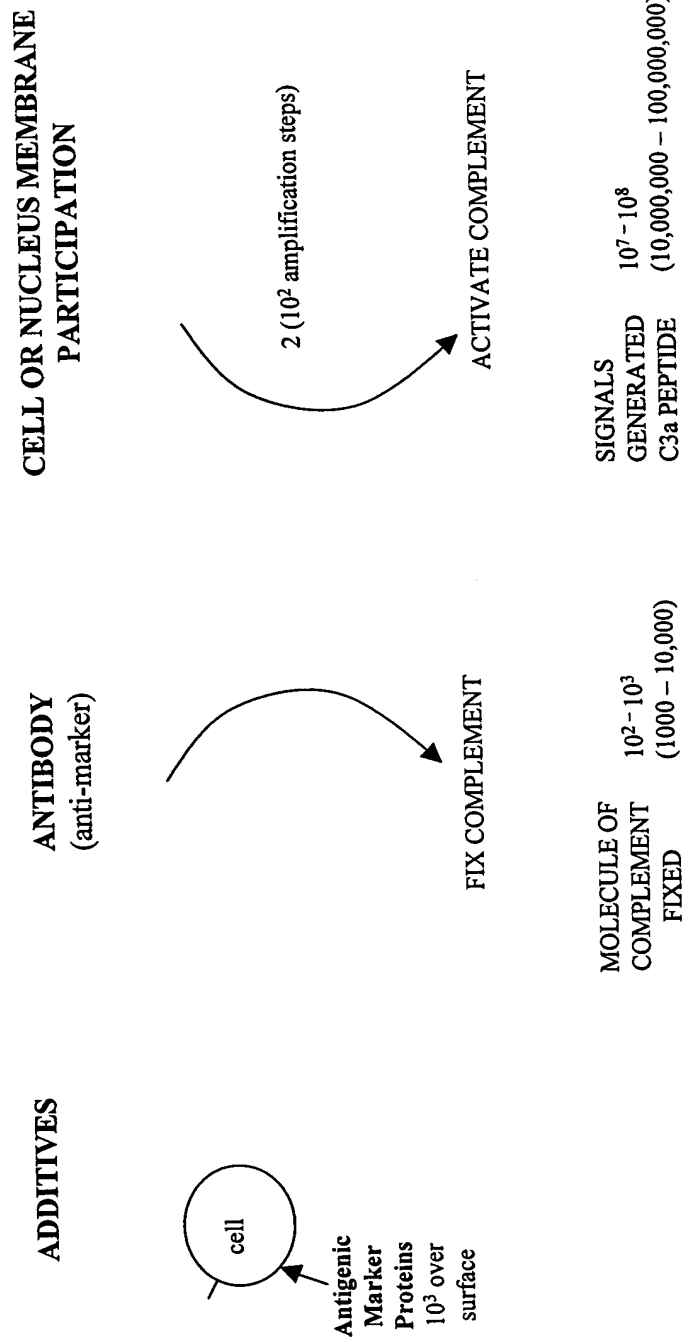


FIG. 8



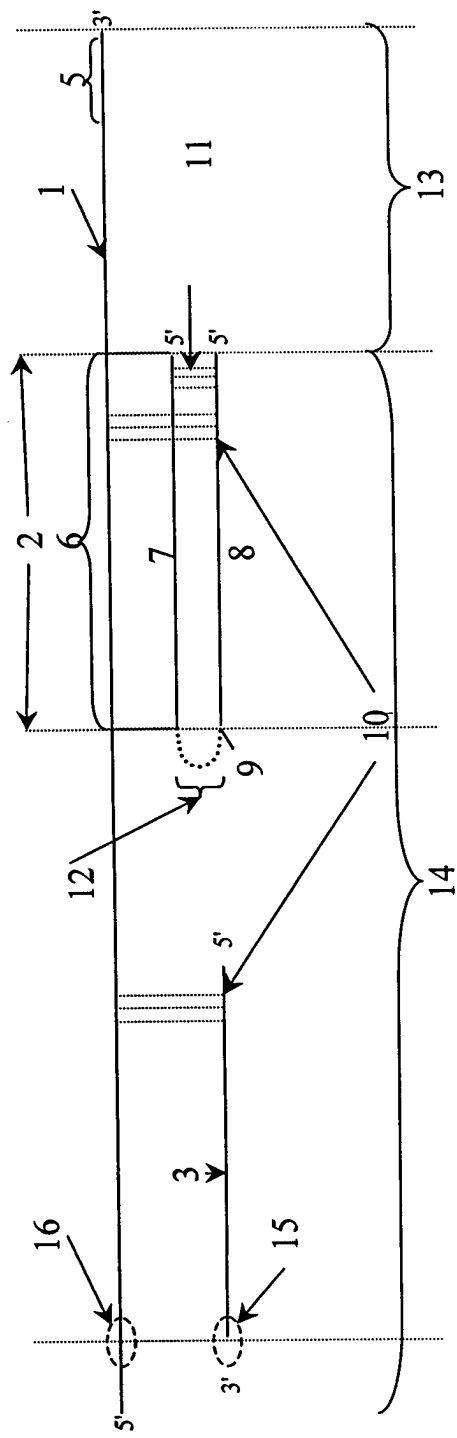


FIG. 9